

**Request to Archive
With The National Centers for Environmental Information
For Satellite Imagery Archive
Provided by NCEI**

2017-01-31

This information will be used by NCEI to conduct an appraisal and make a decision on the request.

1. Who is the primary point of contact for this request?

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2. Name the organization or group responsible for creating the dataset.

DOC/NOAA/NESDIS/NCEI > National Centers for Environmental Information, NESDIS, NOAA, U.S. Department of Commerce

3. Provide an overview summarizing the scope of data you want to archive. Describe the outputs, data variables, including their measurement resolution and coverage.

Satellite imagery has a wide range of users. The data represent images of archived data that are useful to users as diagnostic information for various uses. At present, this includes historical imagery from B1 and GridSat-B1 data. The resolution of the images is about 10 km. ISCCP B1 imagery is for visible, infrared window and infrared water vapor channels.

4. What is the time period covered by the dataset? (YYYY-MM-DD, YYYY-MM or YYYY)

From 1978
Ongoing as continuous updates to the data record

5. Edition or version number(s) of the dataset:

N/A

6. Approximate date when the dataset was or will be released to the public:

2005

7. Who are the expected users of the archived data? How will the archived data be used?

Users:

Users include a wide range of diagnostic and descriptive users. These include:

- Wikipedia articles (they crop images for
- Air Force 14th Weather Squadron uses imagery as diagnostic tool for event analysis, forecast validation and cross-reference to other datasets.
- National Hurricane Center uses imagery for initial analysis of historical reanalysis (e.g., looking at tropical cloud formations during the previous season).

Many other use cases are not documented since user information is not collected)

How used:

- The imagery will be pulled from archive and made available via http or ftp. The ISCCP GIBBS app will then provide browse access to all the files (by storing the inventory of data in an Oracle database)

8. Has the dataset undergone user evaluation and/or an independent review process? Did NCEI participate in design reviews?

The ISCCP GIBBS pages and imagery have been available for 12 years.

During the time, the images have been seen/evaluated by numerous users.

9. Describe the dataset's relationship to other archived datasets, such as earlier versions or related source data. If this is a new version, how does it improve upon the previous version(s)?

The data are JPG and/or PNG files of other archived data:

- ISCCP B1 files
- GridSat-CDR files

10. List the input datasets and ancillary information used to produce the data.

The data are JPG and/or PNG files of other archived data:

- ISCCP B1 files
- GridSat-CDR files

11. List web pages and other links that provide information on the data.

ISCCP B1 data are described at:

<https://www.ncdc.noaa.gov/gridsat/isccp-b1-info.php>

GridSat-B1 data are described at:

<https://www.ncdc.noaa.gov/gridsat/>

12. List the kinds of documents, metadata and code that are available for archiving. For example, data format specifications, user guides, algorithm documentation, metadata compliant with a standard such as ISO 19115, source code, platform/instrument metadata, data/process flow diagrams, etc.

1. None. The data are merely images of the satellite data.

13. Indicate the data file format(s).

1. PNG
2. JPEG

14. Are the data files compressed?

No

15. Provide details on how the files are named and how they are organized (e.g., file_name_pattern_YYYYMM.tar in monthly aggregations).

Files are named:

Img-YYYY-MM-DD-HH-SAT-CH.jpg

where YYYY=year, MM=month, DD=day of month, HH = hour of day, SAT = satellite short name (e.g., GOE-7), and CH = channel (IR, VS, etc.)

The files will be bundled on submission into tarfiles. Historically, this can be done on a daily basis, but ongoing, the tarball file packaging will be more complex.

16. Explain how to access sample data files and/or a file listing for previewing. If it is not available now, when will it be available?

Simple data access to data is available through GIBBS:

<https://www.ncdc.noaa.gov/gibbs/>

FTP of the actual files are available at:

<ftp://eclipse.ncdc.noaa.gov/pub/isccp/b1/.D2790P/images/>

17. What is the total data volume to be submitted?

Historic Data: all historic data or data submitted as a completed collection.

Total Data Volume: 726GB

Number of Data Files: 1700000

Continuous Data: data volume rate for a continuous data production.

Total Data Volume Rate: 50MB per Day

Data File Frequency: 150 per Day

Data Production Start: 2005-05

18. Are later updates, revisions or replacement files anticipated? If so, explain the conditions for submitting these additional data to the archive.

No additional updates, revisions or replacement data are anticipated.

19. Describe the server that will connect to the ingest server at NCEI for submitting the data.

Physical Location: Asheville, NC

System Name: glaze

System Owner: NCEI

Additional Information:

20. What are the possible methods for submitting the data to NCEI? Select all that apply.

1. FTP PULL

2. FTP PUSH

3. SFTP PUSH

ftps, direct transfer

21. Identify how you would like NCEI to distribute the data. Web access support depends on the resources available for the dataset.

1. Direct download links

22. Will there be any distribution, usage, or other restrictions that apply to the data in the archive?

No known constraints apply to the data.

23. Discuss the rationale for archiving the dataset and the anticipated benefits. Mention any risks associated with not archiving the dataset at NCEI.

The reason for archiving the data is primarily to continue support of the browse images through ISCCP GIBBS.

Without archive, the ISCCP GIBBS site will end and users will be without a means for diagnostic event analysis.

24. Are the data archived at another facility or are there plans to do so? Please explain.

No

25. Is there an existing agreement or requirement driving this request to archive? Have you already contacted someone at NCEI?

To maintain support of ISCCP GIBBS

26. Do you have a data management plan for your data?

No

27. Have funds been allocated to archive the data at NCEI?

No

28. Identify the affiliated research project, its sponsor, and any project/grant ID as applicable.

ISCCP Clouds

GRidSat-CDR

29. Is there a desired deadline for NCEI to archive and provide access to the data?

Archive by: 2017-03-31

Accessible by: 2017-03-31

30. Add any other pertinent information for this request.

The eclipse-d FTP service is ending March 31. The sooner the imagery can be archived and made available, means the shorter the downtime for the GIBBS site.